

ATTACHMENT A

Claims 1 - 28: (Cancelled)

29. (New) A propylene copolymer composition comprising:

- A) from 50% to 80% by weight of a propylene copolymer comprising from 0.05 to 0.99% by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene; and
- B) from 20% to 50% by weight of one propylene copolymer comprising from about 7.01 to about 20.0 % by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene;

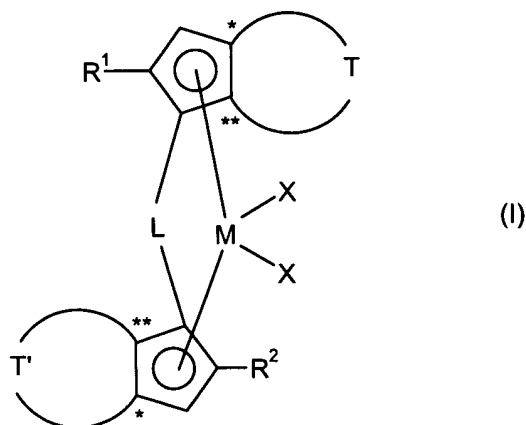
said propylene copolymer composition further comprising:

- (i) a MFR (230°C/2.16 kg) from about 1 to about 20 g/10 min; and
- (ii) a tensile E modulus according to ISO 527-2:1993 from about 400 to about 800 MPa.

30. (New) The propylene copolymer composition as claimed in claim 29, further comprising a melting point from 143°C to 150°C.

31. (New) The propylene copolymer composition as claimed in claim 29, further comprising a haze according to ASTM D 1003 from 25% to 40% without adding clarifying agents.

32. (New) The propylene copolymer composition as claimed in claim 29, produced using a catalyst system comprising at least one metallocene compound of formula (I),



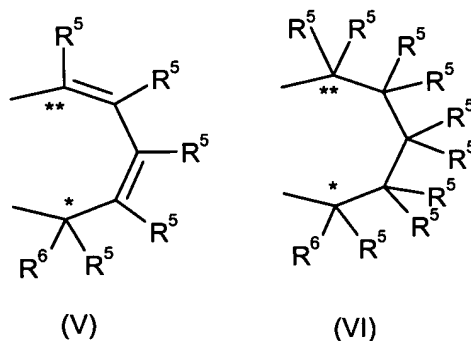
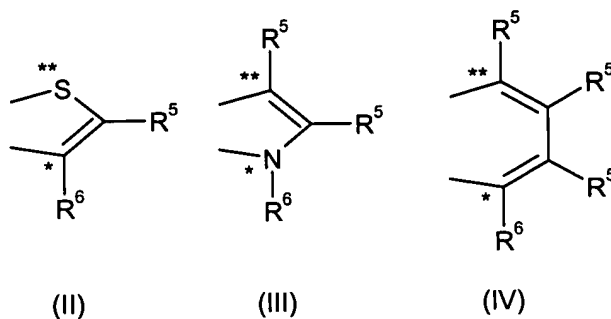
wherein

Mis zirconium, hafnium or titanium;

X are, identical or different and are independently of one another, hydrogen, halogen, -R, -OR, -OSO<sub>2</sub>CF<sub>3</sub>, -OCOR, -SR, -NR<sub>2</sub> or -PR<sub>2</sub>, wherein R is a linear or branched C<sub>1</sub>-C<sub>20</sub>-alkyl or C<sub>3</sub>-C<sub>20</sub>-cycloalkyl, wherein the C<sub>1</sub>-C<sub>20</sub> alkyl or C<sub>3</sub>-C<sub>20</sub> cycloalkyl may be substituted by at least one C<sub>1</sub>-C<sub>10</sub>-alkyl radical, or R is a C<sub>6</sub>-C<sub>20</sub>-aryl, C<sub>7</sub>-C<sub>20</sub>-alkylaryl or C<sub>7</sub>-C<sub>20</sub>-arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or R may comprise at least one unsaturated bond, or two X radicals may be joined to one another;

L is a divalent bridging group selected from the group consisting of a C<sub>1</sub>-C<sub>20</sub>-alkylidene radical, a C<sub>3</sub>-C<sub>20</sub>-cycloalkylidene radical, a C<sub>6</sub>-C<sub>20</sub>-arylidene radical, a C<sub>7</sub>-C<sub>20</sub>-alkylarylidene radical and a C<sub>7</sub>-C<sub>20</sub>-arylalkylidene radical, which may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or a silylidene group comprising up to 5 silicon atoms;

- $R^1$  is a linear or branched  $C_1$ - $C_{20}$ -alkyl or  $C_3$ - $C_{20}$ -cycloalkyl, wherein the  $C_1$ - $C_{20}$  alkyl or  $C_3$ - $C_{20}$  cycloalkyl may be substituted by at least one  $C_1$ - $C_{10}$ -alkyl radical, or R is a  $C_6$ - $C_{20}$ -aryl,  $C_7$ - $C_{20}$ -alkylaryl or  $C_7$ - $C_{20}$ -arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, and R may comprise at least one unsaturated bond;
- $R^2$  is  $-C(R^3)_2R^4$ ;
- $R^3$  are, identical or different and are each independently of one another, a linear or branched  $C_1$ - $C_{20}$ -alkyl or  $C_3$ - $C_{20}$ -cycloalkyl, wherein the  $C_1$ - $C_{20}$  alkyl or  $C_3$ - $C_{20}$  cycloalkyl may be substituted by at least one  $C_1$ - $C_{10}$ -alkyl radical, or R is a  $C_6$ - $C_{20}$ -aryl,  $C_7$ - $C_{20}$ -alkylaryl or  $C_7$ - $C_{20}$ -arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, and R may comprise at least one unsaturated bond, or two  $R^3$  radicals may be joined to form a saturated or unsaturated  $C_3$ - $C_{20}$ -ring;
- $R^4$  is hydrogen or a linear or branched  $C_1$ - $C_{20}$ -alkyl or  $C_3$ - $C_{20}$ -cycloalkyl, wherein the  $C_1$ - $C_{20}$  alkyl or  $C_3$ - $C_{20}$  cycloalkyl may be substituted by at least one  $C_1$ - $C_{10}$ -alkyl radical, or R is a  $C_6$ - $C_{20}$ -aryl,  $C_7$ - $C_{20}$ -alkylaryl or  $C_7$ - $C_{20}$ -arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, and R may comprise at least one unsaturated bond;
- T and T' are divalent groups of formula (II), (III), (IV), (V) or (VI),



wherein

the atoms denoted by the symbols \* and \*\* are joined to the atoms of the metallocene compound of formula (I) which are denoted by the same symbol, and

$R^5$  are, identical or different and are each independently of one another, hydrogen, halogen or a linear or branched  $C_1$ - $C_{20}$ -alkyl or  $C_3$ - $C_{20}$ -cycloalkyl, wherein the  $C_1$ - $C_{20}$  alkyl or  $C_3$ - $C_{20}$  cycloalkyl may be substituted by at least one  $C_1$ - $C_{10}$ -alkyl radical, or R is a  $C_6$ - $C_{20}$ -aryl,  $C_7$ - $C_{20}$ -alkylaryl or  $C_7$ - $C_{20}$ -arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or R may comprise at least one unsaturated bond;

$R^6$  are, identical or different and are each independently of one another, halogen or a linear or branched  $C_1$ - $C_{20}$ -alkyl or  $C_3$ - $C_{20}$ -cycloalkyl,

wherein the C<sub>1</sub>-C<sub>20</sub> alkyl or C<sub>3</sub>-C<sub>20</sub> cycloalkyl may be substituted by at least one C<sub>1</sub>-C<sub>10</sub>-alkyl radical, or R is a C<sub>6</sub>-C<sub>20</sub>-aryl, C<sub>7</sub>-C<sub>20</sub>-alkylaryl or C<sub>7</sub>-C<sub>20</sub>-arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or R may comprise at least one unsaturated bond.

33. (New) The propylene copolymer composition as claimed in claim 32, wherein L is -SiMe<sub>2</sub>- or -SiPh<sub>2</sub>-.

34. (New) The propylene copolymer composition as claimed in claim 32, wherein R<sup>1</sup> is preferably a linear or branched C<sub>1</sub>-C<sub>10</sub>-alkyl group which is unbranched in the α position.

35. (New) The propylene copolymer composition as claimed in claim 34, wherein R<sup>1</sup> is a linear C<sub>1</sub>-C<sub>4</sub>-alkyl group.

36. (New) The propylene copolymer composition as claimed in claim 35, wherein R<sup>1</sup> is methyl, ethyl, n-propyl or n-butyl.

37. (New) The propylene copolymer composition as claimed in claim 29, wherein the alpha olefin is exclusively ethylene.

38. (New) The propylene copolymer composition as claimed in claim 29, further comprising a molar mass distribution M<sub>w</sub>/M<sub>n</sub> ranging from 1.5 to 3.5.

39. (New) The propylene copolymer composition as claimed in claim 29, wherein the alpha olefin of B) is from about 7.01% to about 9.99% by weight.

40. (New) The propylene copolymer composition as claimed in claim 29, wherein the alpha olefin of B) is from about 8.0% to about 9.6% by weight.

41. (New) The propylene polymer composition as claimed in claim 29, wherein the MFR is from 6 to 12 g/10min.

42. (New) The propylene polymer composition as claimed in claim 29, wherein the tensile E modulus is from 550 to 750 MPa

43. (New) A process for producing at least one fiber, film or molding comprising

A) from 50% to 80% by weight of a propylene copolymer comprising from 0.05 to 0.99% by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene; and

B) from 20% to 50% by weight of one propylene copolymer comprising from about 7.01 to about 20.0 % by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene;

said propylene copolymer composition further comprising:

(i) a MFR (230°C/2.16 kg) from about 1 to about 20 g/10 min; and

(ii) a tensile E modulus according to ISO 527-2:1993 from about 400 to about 800 MPa.

44. (New) A film comprising a propylene copolymer composition comprising:

- A) from 50% to 80% by weight of a propylene copolymer comprising from 0.05 to 0.99% by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene; and
- B) from 20% to 50% by weight of one propylene copolymer comprising from about 7.01 to about 20.0 % by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene;

wherein A) and B) are obtained using a catalyst system comprising at least one metallocene compound, and the propylene copolymer composition further comprises a MFR from about 1 to about 20 and a tensile E modulus from about 400 to about 800 MPa; and

the film has a haze less than about 10.0% and a dart impact greater than about 150 gms for a 1 mil thick film.

45. (New) The film according to claim 44 further comprising a melting point of between about 143°C to about 150°C.

46. (New) The film according to claim 44, wherein the film has a haze less than about 5% for a 1 mil thick film.

47. (New) The film according to claim 44, wherein the film has a dart impact greater than about 200 gm for a 1 mil thick film.

48. (New) The film according to claim 44, wherein the tensile E modulus of the propylene copolymer composition is from about 550 to about 750 MPa.

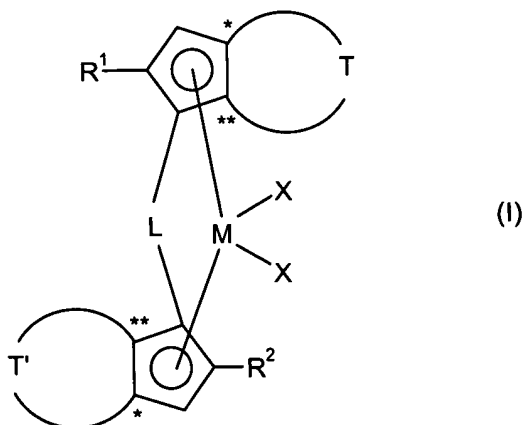
49. (New) The film according to claim 44, wherein the film further comprises a WVTR greater than about 11.6 gm/m<sup>2</sup>-day.

50. (New) The film according to claim 44, wherein the film further comprises a OTR greater than about 3875 gm/m<sup>2</sup>-day.

51. (New) The film according to claim 44, wherein the film further comprises a CO<sub>2</sub>TR greater than about 19,375 cc/m<sup>2</sup>-day.

52. (New) The film according to claim 44, wherein the film further comprises a hexane extractables not greater than about 2.6%, and xylene solubles less than about 30%.

53. (New) The film according to claim 44, wherein the metallocene compound is of formula (I):



wherein

M is zirconium, hafnium or titanium;

X are, identical or different and are independently of one another, hydrogen, halogen, -R, -OR, -OSO<sub>2</sub>CF<sub>3</sub>, -OCOR, -SR, -NR<sub>2</sub> or -PR<sub>2</sub>, wherein R is a linear or branched C<sub>1</sub>-C<sub>20</sub>-alkyl or C<sub>3</sub>-C<sub>20</sub>-



cycloalkyl, wherein the C<sub>1</sub>-C<sub>20</sub> alkyl or C<sub>3</sub>-C<sub>20</sub> cycloalkyl may be substituted by at least one C<sub>1</sub>-C<sub>10</sub>-alkyl radical, or R is a C<sub>6</sub>-C<sub>20</sub>-aryl, C<sub>7</sub>-C<sub>20</sub>-alkylaryl or C<sub>7</sub>-C<sub>20</sub>-arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or R may comprise at least one unsaturated bond, or two X radicals may be joined to one another;

L is a divalent bridging group selected from the group consisting of a C<sub>1</sub>-C<sub>20</sub>-alkylidene radical, a C<sub>3</sub>-C<sub>20</sub>-cycloalkylidene radical, a C<sub>6</sub>-C<sub>20</sub>-arylidene radical, a C<sub>7</sub>-C<sub>20</sub>-alkylarylidene radical and a C<sub>7</sub>-C<sub>20</sub>-arylalkylidene radical, which may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or a silylidene group comprising up to 5 silicon atoms;

R<sup>1</sup> is a linear or branched C<sub>1</sub>-C<sub>20</sub>-alkyl or C<sub>3</sub>-C<sub>20</sub>-cycloalkyl, wherein the C<sub>1</sub>-C<sub>20</sub> alkyl or C<sub>3</sub>-C<sub>20</sub> cycloalkyl may be substituted by at least one C<sub>1</sub>-C<sub>10</sub>-alkyl radical, or R is a C<sub>6</sub>-C<sub>20</sub>-aryl, C<sub>7</sub>-C<sub>20</sub>-alkylaryl or C<sub>7</sub>-C<sub>20</sub>-arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, and R may comprise at least one unsaturated bond;

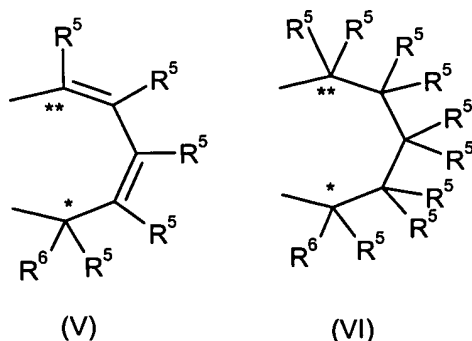
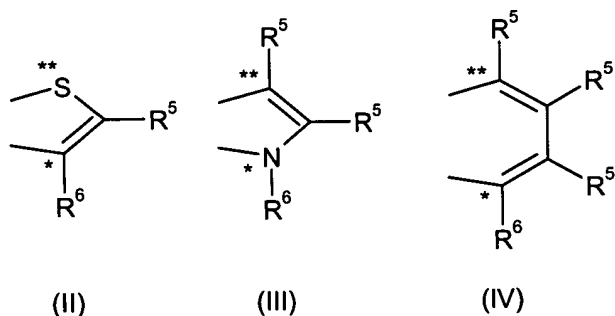
R<sup>2</sup> is -C(R<sup>3</sup>)<sub>2</sub>R<sup>4</sup>;

R<sup>3</sup> are, identical or different and are each independently of one another, a linear or branched C<sub>1</sub>-C<sub>20</sub>-alkyl or C<sub>3</sub>-C<sub>20</sub>-cycloalkyl, wherein the C<sub>1</sub>-C<sub>20</sub> alkyl or C<sub>3</sub>-C<sub>20</sub> cycloalkyl may be substituted by at least one C<sub>1</sub>-C<sub>10</sub>-alkyl radical, or R is a C<sub>6</sub>-C<sub>20</sub>-aryl, C<sub>7</sub>-C<sub>20</sub>-alkylaryl or C<sub>7</sub>-C<sub>20</sub>-arylalkyl, wherein R may comprise at least one

heteroatom of groups 13-17 of the Periodic Table of Elements, and R may comprise at least one unsaturated bond, or two R<sup>3</sup> radicals may be joined to form a saturated or unsaturated C<sub>3</sub>-C<sub>20</sub>-ring;

R<sup>4</sup> is hydrogen or a linear or branched C<sub>1</sub>-C<sub>20</sub>-alkyl or C<sub>3</sub>-C<sub>20</sub>-cycloalkyl, wherein the C<sub>1</sub>-C<sub>20</sub> alkyl or C<sub>3</sub>-C<sub>20</sub> cycloalkyl may be substituted by at least one C<sub>1</sub>-C<sub>10</sub>-alkyl radical, or R is a C<sub>6</sub>-C<sub>20</sub>-aryl, C<sub>7</sub>-C<sub>20</sub>-alkylaryl or C<sub>7</sub>-C<sub>20</sub>-arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, and R may comprise at least one unsaturated bond;

T and T' are divalent groups of formula (II), (III), (IV), (V) or (VI),



wherein

the atoms denoted by the symbols \* and \*\* are joined to the atoms of the metallocene compound of formula (I) which are denoted by the same symbol, and

R<sup>5</sup> are, identical or different and are each independently of one another, hydrogen, halogen or a linear or branched C<sub>1</sub>-C<sub>20</sub>-alkyl or C<sub>3</sub>-C<sub>20</sub>-cycloalkyl, wherein the C<sub>1</sub>-C<sub>20</sub> alkyl or C<sub>3</sub>-C<sub>20</sub> cycloalkyl may be substituted by at least one C<sub>1</sub>-C<sub>10</sub>-alkyl radical, or R is a C<sub>6</sub>-C<sub>20</sub>-aryl, C<sub>7</sub>-C<sub>20</sub>-alkylaryl or C<sub>7</sub>-C<sub>20</sub>-arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or R may comprise at least one unsaturated bond;

R<sup>6</sup> are, identical or different and are each independently of one another, halogen or a linear or branched C<sub>1</sub>-C<sub>20</sub>-alkyl or C<sub>3</sub>-C<sub>20</sub>-cycloalkyl, wherein the C<sub>1</sub>-C<sub>20</sub> alkyl or C<sub>3</sub>-C<sub>20</sub> cycloalkyl may be substituted by at least one C<sub>1</sub>-C<sub>10</sub>-alkyl radical, or R is a C<sub>6</sub>-C<sub>20</sub>-aryl, C<sub>7</sub>-C<sub>20</sub>-alkylaryl or C<sub>7</sub>-C<sub>20</sub>-arylalkyl, wherein R may comprise at least one heteroatom of groups 13-17 of the Periodic Table of Elements, or R may comprise at least one unsaturated bond.

54. (New) The propylene copolymer composition as claimed in claim 53, wherein L is -SiMe<sub>2</sub>- or -SiPh<sub>2</sub>-.

55. (New) The propylene copolymer composition as claimed in claim 53, wherein R<sup>1</sup> is preferably a linear or branched C<sub>1</sub>-C<sub>10</sub>-alkyl group which is unbranched in the α position.

56. (New) The propylene copolymer composition as claimed in claim 55, wherein R<sup>1</sup> is a linear C<sub>1</sub>-C<sub>4</sub>-alkyl group.

57. (New) The propylene copolymer composition as claimed in claim 56, wherein R<sup>1</sup> is methyl, ethyl, n-propyl or n-butyl.

58. (New) The film according to claim 44, wherein the MFR is from about 6 to about 12.

59. (New) An article comprising at least one layer of a film comprising a propylene copolymer composition comprising:

A) from 50% to 80% by weight of a propylene copolymer comprising from 0.05 to 0.99% by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene; and

B) from 20% to 50% by weight of one propylene copolymer comprising from about 7.01 to about 20.0 % by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene;

wherein A) and B) are obtained using a catalyst system comprising at least one metallocene compound, and the propylene copolymer composition further comprises a MFR from about 1 to about 20 and a tensile E modulus from about 400 to about 800 MPa; and

the film has a haze less than about 10.0% and a dart impact greater than about 150 gms for a 1 mil thick film.

60. (New) A laminate comprising at least one layer of a polyolefin film and at least one layer of a film comprising a propylene copolymer composition comprising:

- A) from 50% to 80% by weight of a propylene copolymer comprising from 0.05 to 0.99% by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene; and
- B) from 20% to 50% by weight of one propylene copolymer comprising from about 7.01 to about 20.0 % by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene;

wherein A) and B) are obtained using a catalyst system comprising at least one metallocene compound, and the propylene copolymer composition further comprises a MFR from about 1 to about 20 and a tensile E modulus from about 400 to about 800 MPa; and the film has a haze less than about 10.0% and a dart impact greater than about 150 gms for a 1 mil thick film.

61. (New) A coated article comprising a substrate and a film comprising a propylene copolymer composition comprising:

- A) from 50% to 80% by weight of a propylene copolymer comprising from 0.05 to 0.99% by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene; and
- B) from 20% to 50% by weight of one propylene copolymer comprising from about 7.01 to about 20.0

% by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene; wherein A) and B) are obtained using a catalyst system comprising at least one metallocene compound, and the propylene copolymer composition further comprises a MFR from about 1 to about 20 and a tensile E modulus from about 400 to about 800 MPa; and

the film has a haze less than about 10.0% and a dart impact greater than about 150 gms for a 1 mil thick film, wherein the film has been coated onto the substrate.

62. (New) A co-extruded, multilayer film comprising at least one layer of a film comprising a propylene copolymer composition comprising:

A) from 50% to 80% by weight of a propylene copolymer comprising from 0.05 to 0.99% by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene; and

B) from 20% to 50% by weight of one propylene copolymer comprising from about 7.01 to about 20.0 % by weight of at least one alpha olefin comprising from 2 to 10 carbon atoms, with the proviso that the alpha olefin is not propylene;

wherein A) and B) are obtained using a catalyst system comprising at least one metallocene compound, and the propylene copolymer composition further comprises a MFR from about 1 to about 20 and a tensile E modulus from about 400 to about 800 MPa; and

the film has a haze less than about 10.0% and a dart impact greater than about 150 gms for a 1 mil thick film.

63. (New) The process of claim 43, wherein the molding is a large hollow body.